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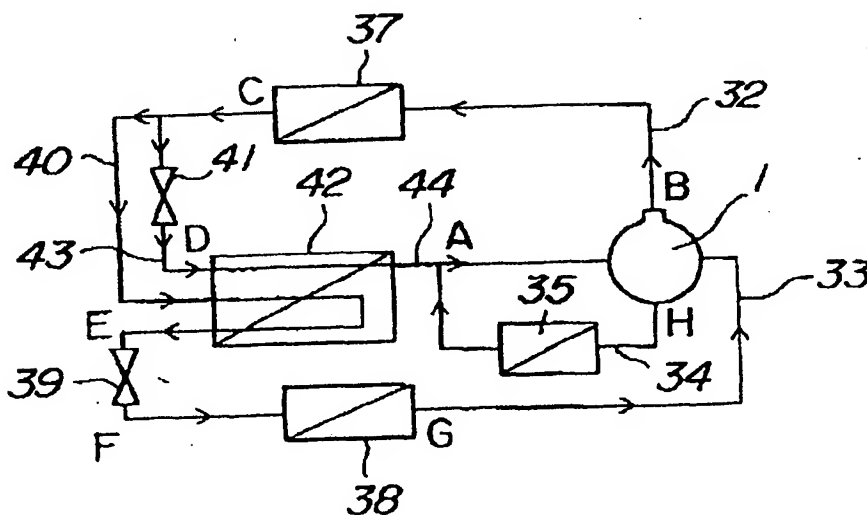
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(54) Apparatus having a refrigeration circuit

(57) An apparatus having a refrigeration circuit using difluoromethane as refrigerant and comprising an enclosed container (2) storing a multi-staged rotary compressor (1) with a plurality of cylinders, each stage having a rotary roller (18,19) and a vane (20,21) forming a compression space inside by abutting against the roll-

er (18,19); a condenser (37); an expansion valve (39) and a cooler (38) and further comprising an intermediate cooler (35) provided in the refrigerant flow path between said cylinders for cooling said refrigerant between said stages and an additional cooler (42) in the refrigerant flow path before said expansion valve (39) for lowering the temperature of said refrigerant.

Fig. 2



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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 4 June 2002	Examiner Szilagyi, B
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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